

Stack Turner

HEIDELBERG

Automated turning boosts productivity • The increasing automation and production speeds of folding carton gluing machines such as the Diana® X 115 are taking them to ever higher performance levels. Continuous and precise feeding of printed blanks is needed to ensure this enhanced productivity. The die-cut blanks must first be turned manually and then inserted in the folding carton gluing machine's feeder with the printed side facing downward in the pile. This is physically strenuous and labor-intensive work. In many cases, it also restricts the machine speed actually available, which has a detrimental effect on productivity.

Highly efficient from the outset • Heidelberg® has developed the new Stack Turner specifically for turning and feeding piles of blanks. When used in conjunction with the high-performance Diana Feeder and Diana Packer, it is the ideal complement to a Diana X 115 folding carton gluing machine.

The Stack Turner is designed specifically for high production speeds, thereby ensuring a continuous, uninterrupted shingle stream and mark-free travel through the machine. This results in a long-term increase in net output, while also reducing the workload for operating personnel.

Short makeready times – flexible personnel planning • One operator can easily transfer the piles from the pallet onto the Stack Turner's feed table. The pile stop helps him align the pile of blanks precisely. Depending on the type of folding carton and the production speed, the operator can thus be freed up for other tasks.



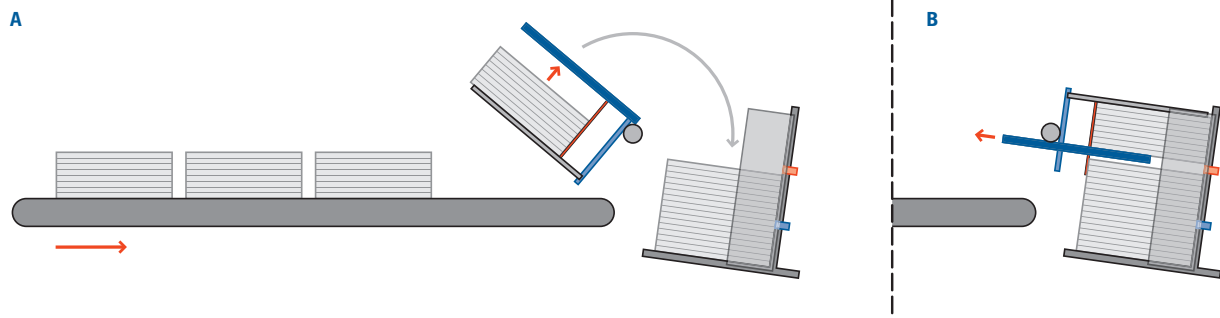
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How the Stack Turner works



The Stack Turner aligns the pile, grips it, and turns it over. There is a belt around the roller bar that helps return it to its starting position without any marking once the pile has been deposited.

Highly flexible processing • The Stack Turner processes different carton sizes and formats with ease, supporting pile heights of 100 to 300 mm (3.94 to 11.81 in). With up to four turning cycles per minute, it also benefits from a high production capacity.

Straightforward operation • In the standard configuration, the Stack Turner is controlled by a user-friendly control panel on the machine that offers easy access. Operators can also opt to control the entire folding carton gluing machine from the Stack Turner using a wired remote control device.

Additional options • In the standard configuration, the lateral pile stop for aligning the pile is fitted on the operator's side. A drive side configuration is also optionally available. It is easy to subsequently switch the pile stop to the other side if necessary.

Technical Data

Max. blank pile width	900 mm / 35.43 in
Min. blank pile width	200 mm / 7.87 (smaller widths possible on request)
Max. blank pile length	600 mm / 23.62 in
Min. blank pile length	200 mm / 7.87 (shorter lengths possible on request)
Max. blank pile height	300 mm / 11.81 in
Min. blank pile height	100 mm / 3.94 in
Max. no. of pile turns per min.	4
Max. pile weight	30 kg
Folding carton grammages	200–800 gsm
Range of cartons	Longitudinal seam cartons, lockbottom cartons, 4-corner collapsible boxes, 6-corner collapsible boxes
Machine length	3,010 mm / 118.50 in
Machine width	1,570 mm / 61.81 in
Machine height	2,172 mm / 85.51 in

Benefits at a glance:

- Automated, mark-free pile turning
- Enhanced productivity through continuous and precise pile feeding
- Highly flexible processing of a wide range of materials
- Flexible and efficient personnel planning
- Short makeready times and simple operation